

SERVICE MANUAL



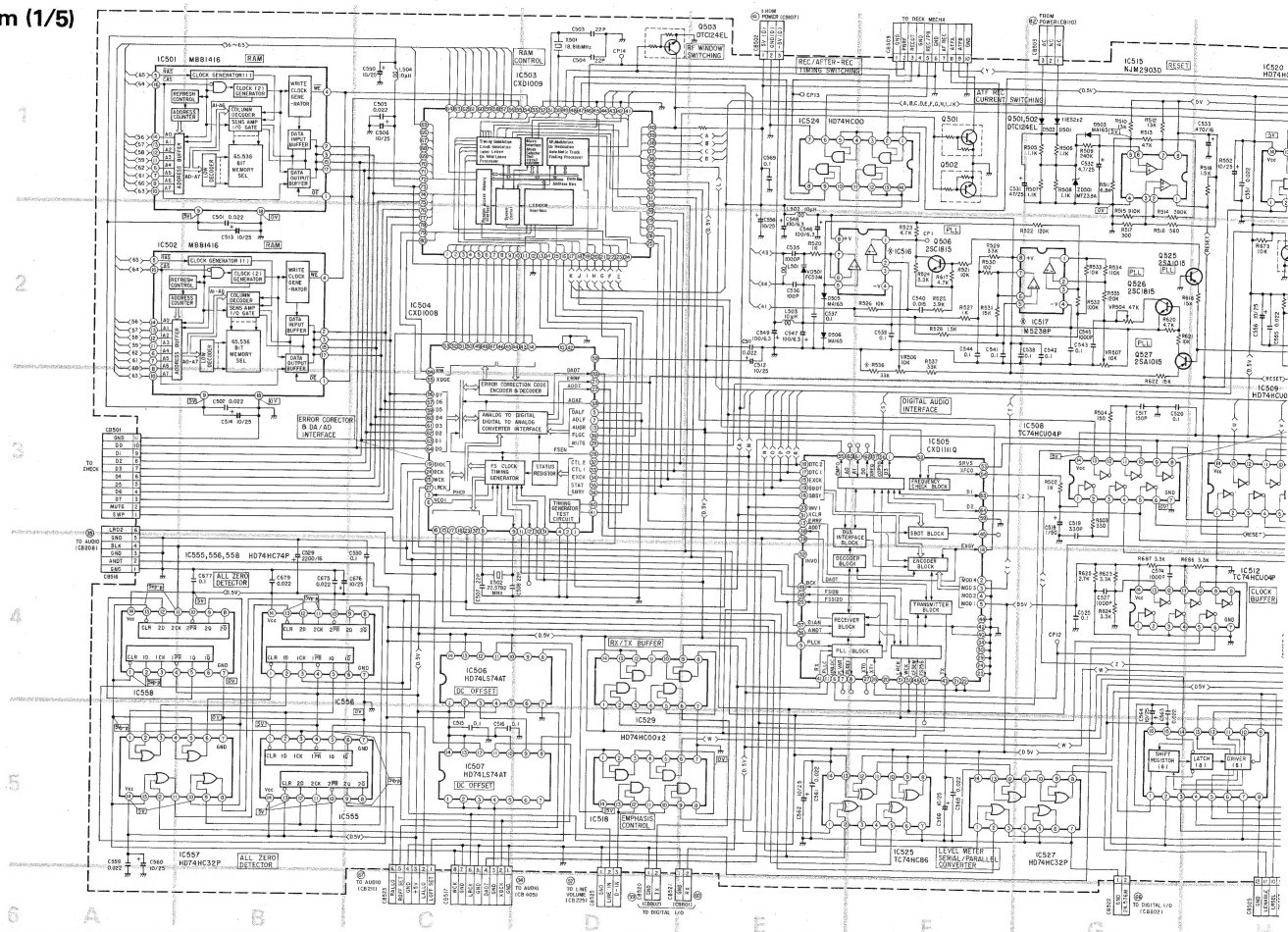
Digital Audio Tape Recorder

KD-117

Temporary



Schematic Diagram (1/5)

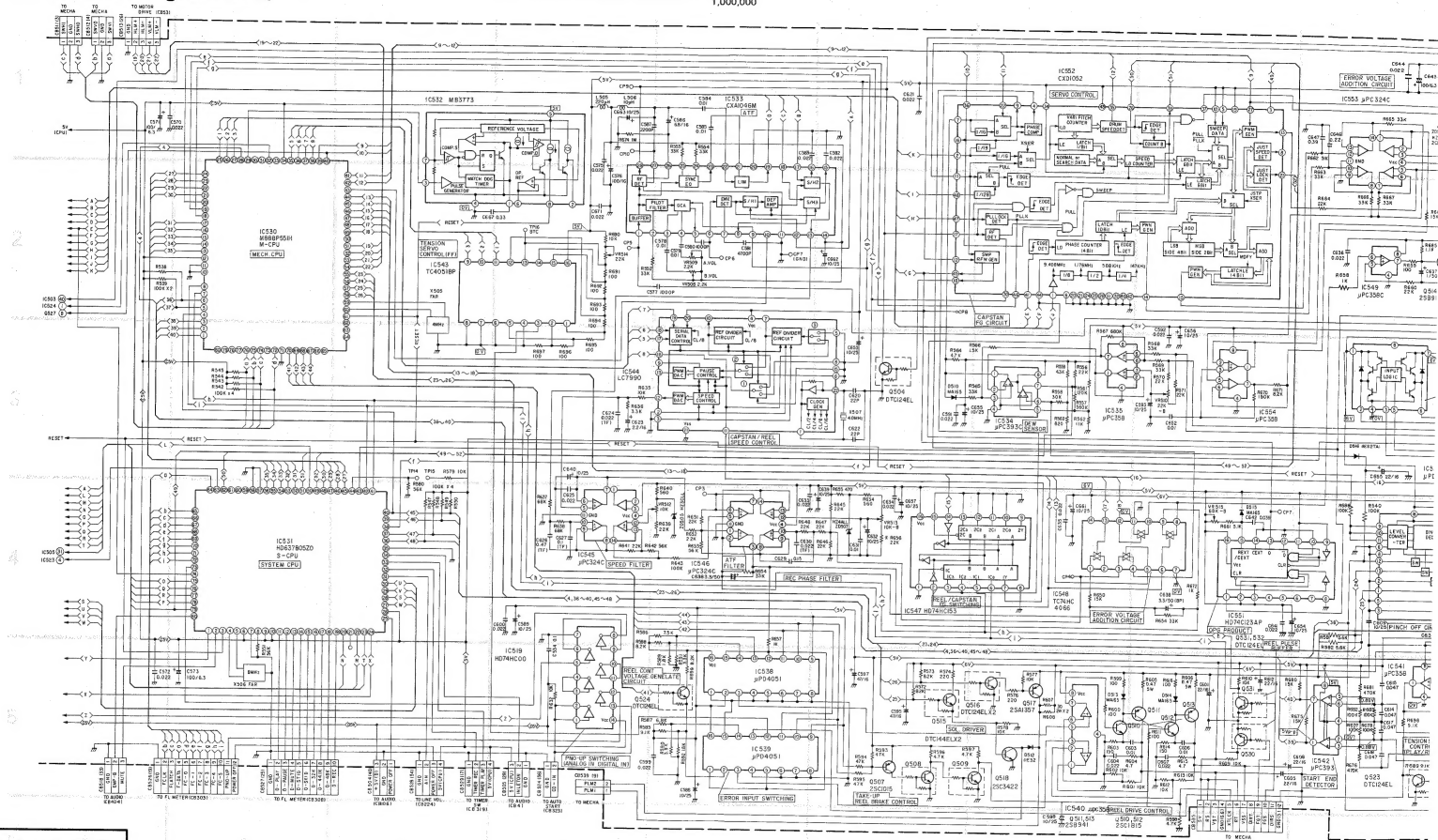




Schematic Diagram (2/5)

NOTES:

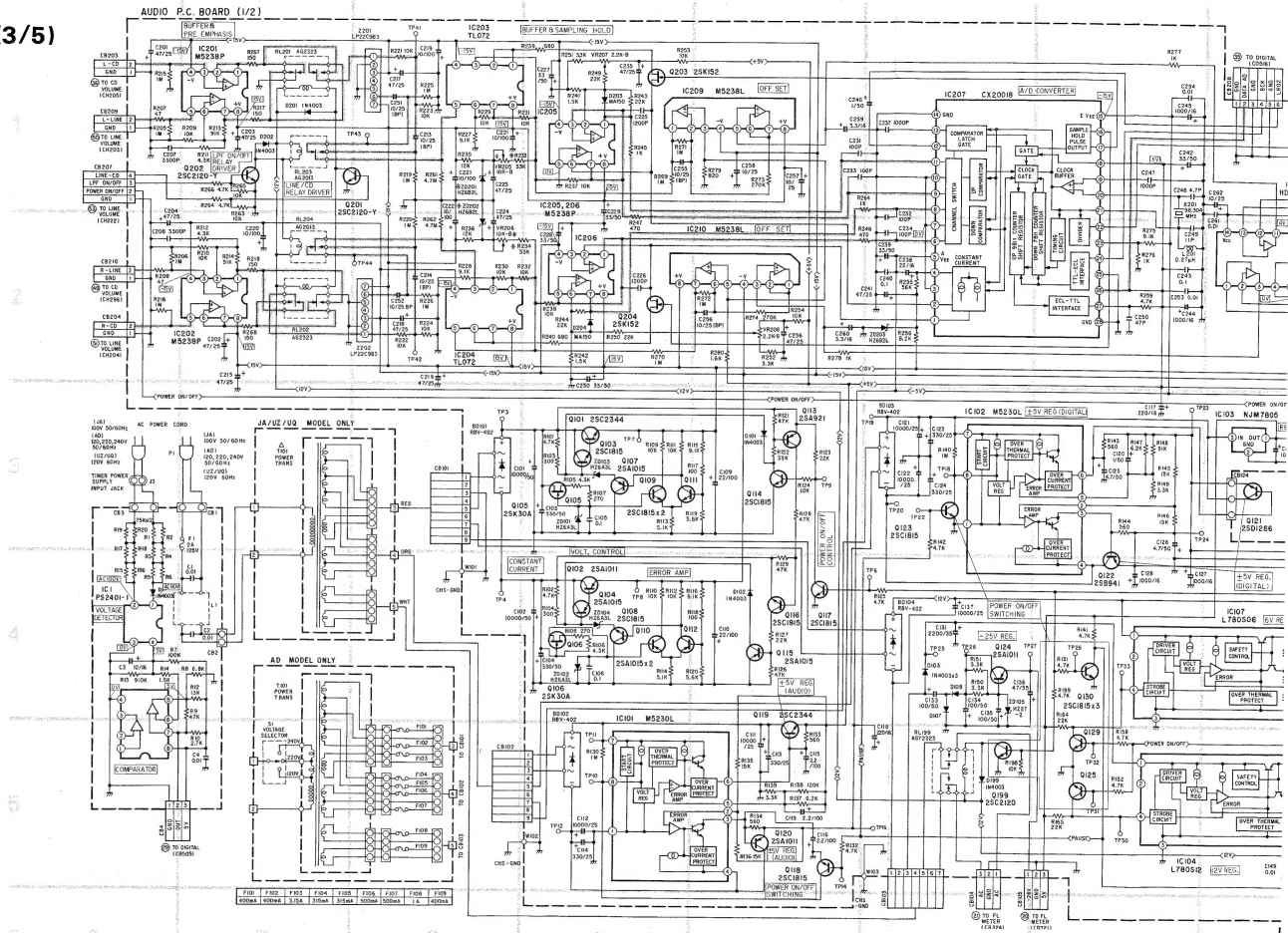
- NOTES:**
1. All resistance values are in ohms. $K = 1,000$
 2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

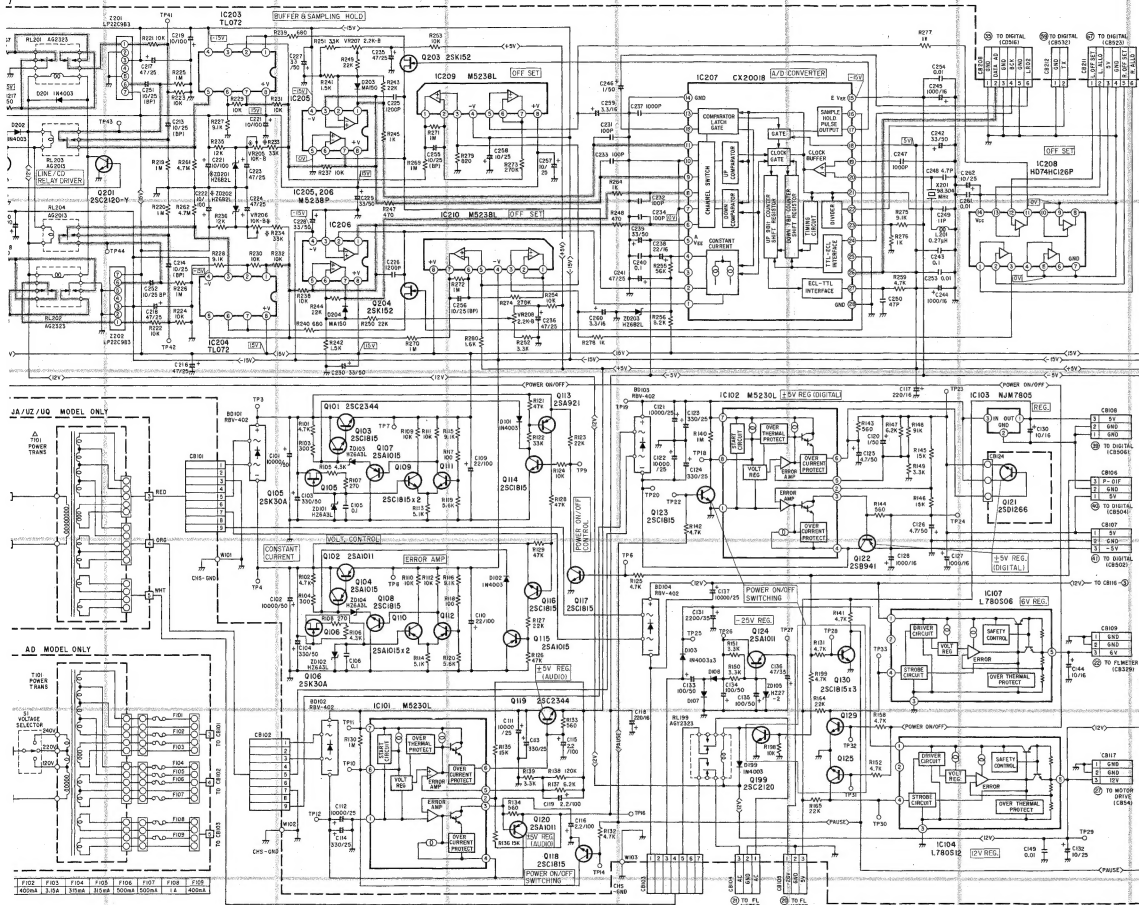


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Schematic Diagram (3/5)





IC1.1		
1	W	0.0
2	W	0.0
3	W	0.0
4	W	0.0
5	W	0.0
6	W	0.0
7	W	0.0
8	W	0.0
9	W	0.0
10	W	0.0

IC1.2		
1	W	0.0
2	W	0.0
3	W	0.0
4	W	0.0
5	W	0.0
6	W	0.0
7	W	0.0
8	W	0.0
9	W	0.0
10	W	0.0

IC1.3		
1	W	0.0
2	W	0.0
3	W	0.0
4	W	0.0
5	W	0.0
6	W	0.0
7	W	0.0
8	W	0.0
9	W	0.0
10	W	0.0

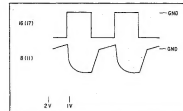
IC1.4		
1	W	0.0
2	W	0.0
3	W	0.0
4	W	0.0
5	W	0.0
6	W	0.0
7	W	0.0
8	W	0.0
9	W	0.0
10	W	0.0

IC1.5		
1	W	0.0
2	W	0.0
3	W	0.0
4	W	0.0
5	W	0.0
6	W	0.0
7	W	0.0
8	W	0.0
9	W	0.0
10	W	0.0

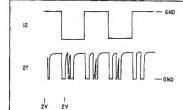
IC1.6		
1	W	0.0
2	W	0.0
3	W	0.0
4	W	0.0
5	W	0.0
6	W	0.0
7	W	0.0
8	W	0.0
9	W	0.0
10	W	0.0

IC1.7		
1	W	0.0
2	W	0.0
3	W	0.0
4	W	0.0
5	W	0.0
6	W	0.0
7	W	0.0
8	W	0.0
9	W	0.0
10	W	0.0

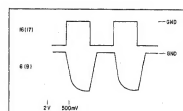
IC1.8		
1	W	0.0
2	W	0.0
3	W	0.0
4	W	0.0
5	W	0.0
6	W	0.0
7	W	0.0
8	W	0.0
9	W	0.0
10	W	0.0



Output waveform on IC207 (8018), 80117/18 pin



Output waveform on IC208 (8018), 80117/18 pin



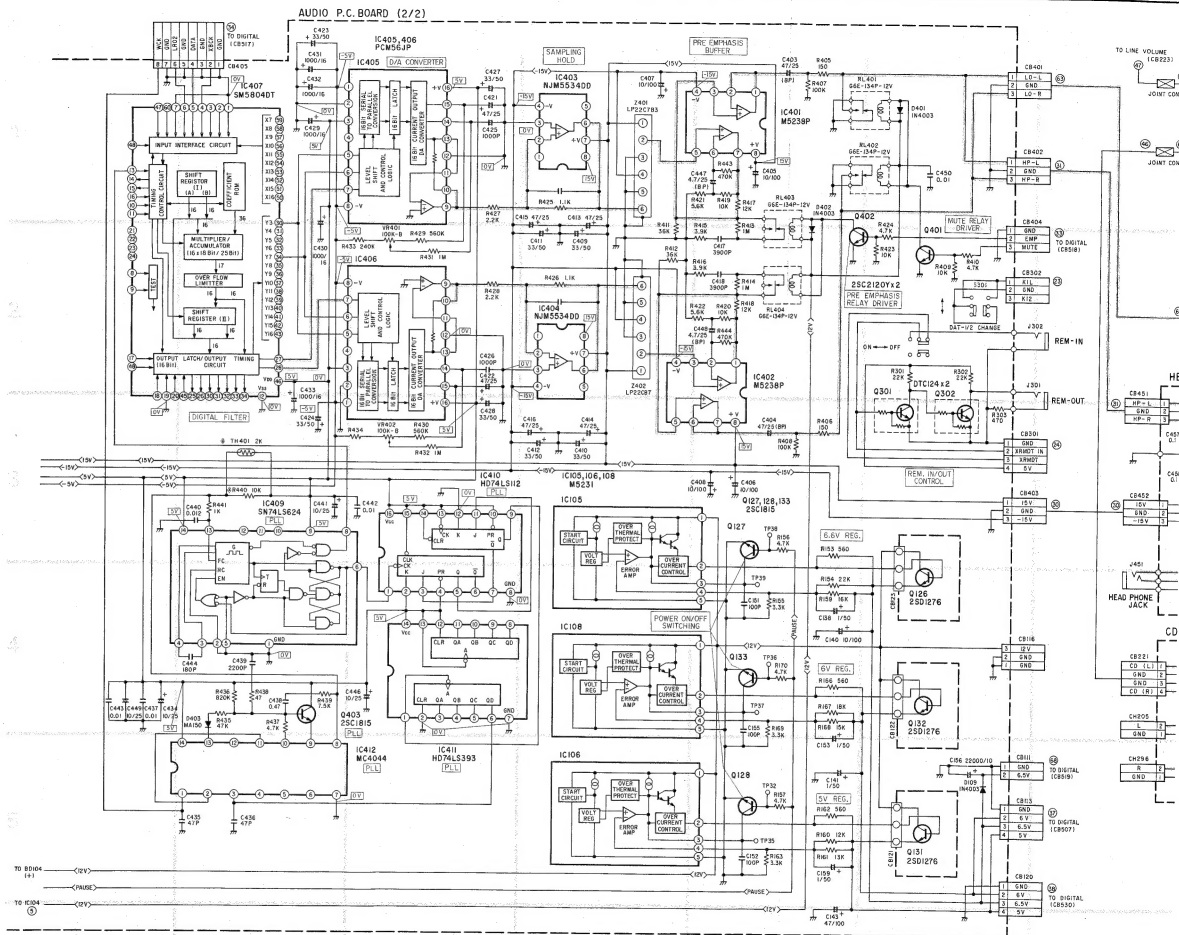
Output waveform on IC207 (8018), 80117/18 pin

NOTES:

- All resistance values are in ohms, K = 1,000
- All capacitance values are in microfarads, P = 1,000,000

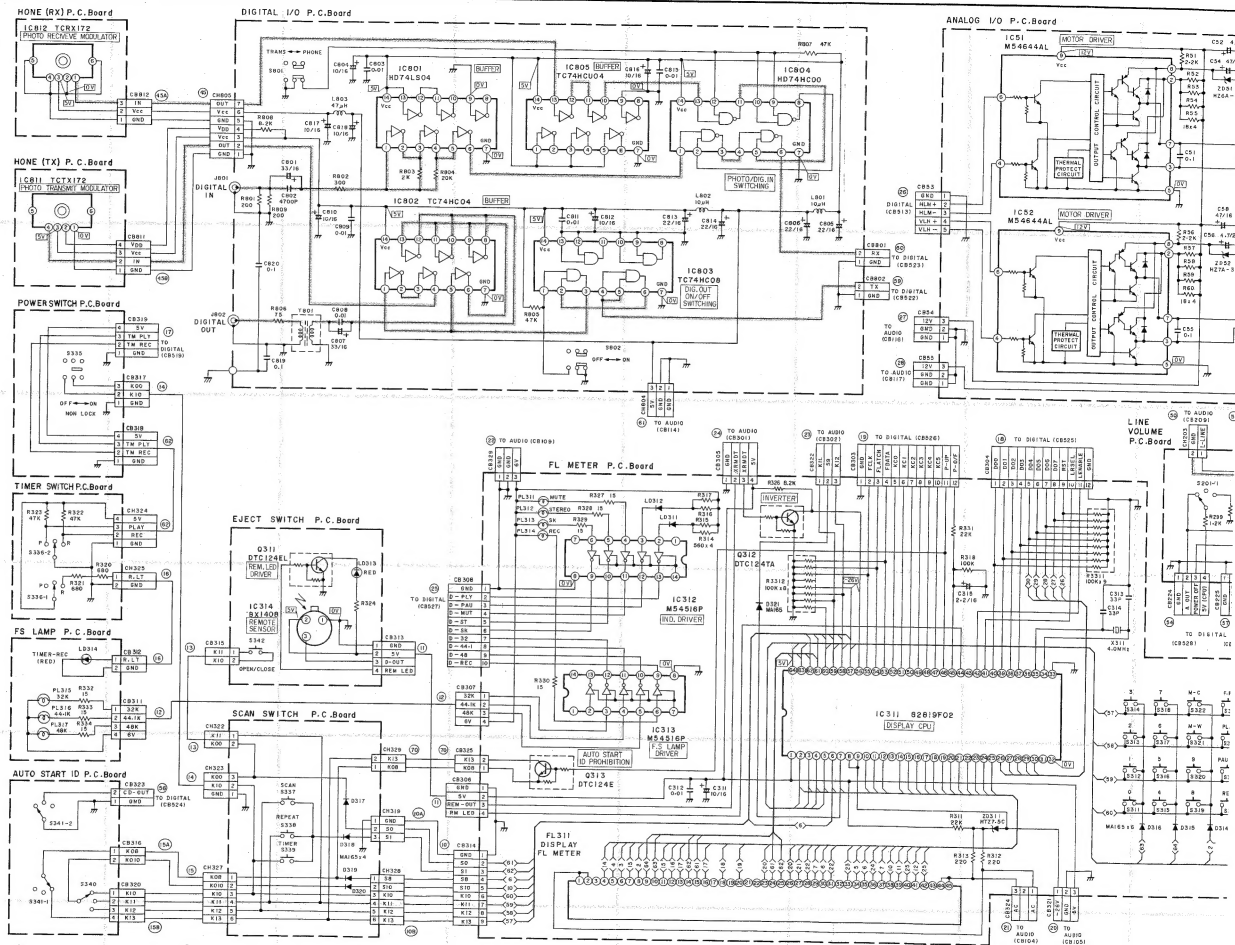
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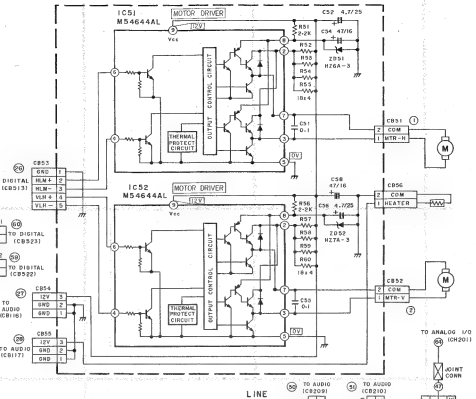
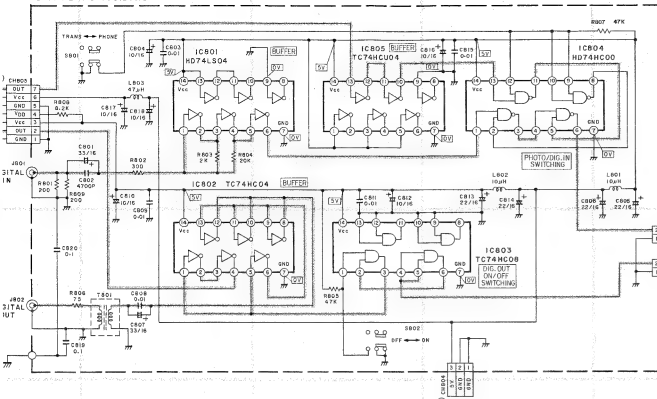
Schematic Diagram (4/5)



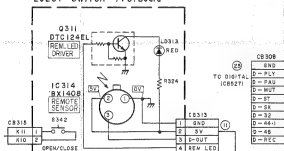
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Schematic Diagram (5/5)

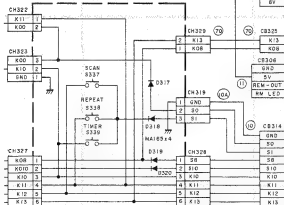




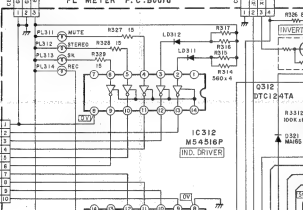
EJECT SWITCH P.C.Board



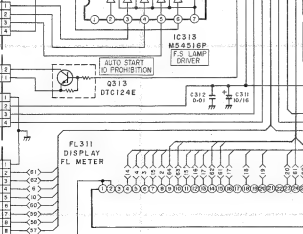
SCAN SWITCH P.C.Board



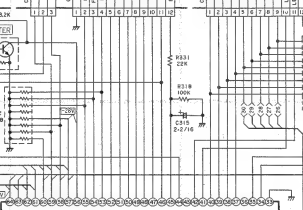
FL METER P.C.Board



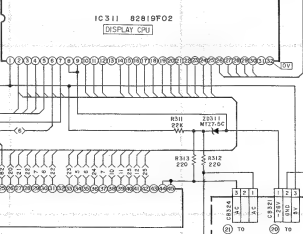
FL METER P.C.Board



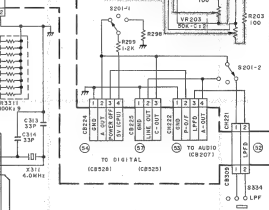
FL METER P.C.Board



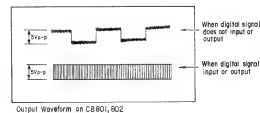
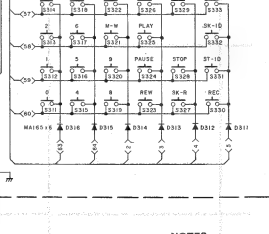
FL METER P.C.Board



FL METER P.C.Board



FL METER P.C.Board



Measuring Condition

- (1) Power Supply Voltage
AC 100V (JA model only)
AC 220V (AD model only)
AC 120V (UZ/UQ model only)
- (2) Measuring Meter
Multi Meter,
Oscilloscope
- (3) Measuring Point Reference
Between ground
- (4) Measuring Condition
Power SW. ---- ON
Line ---- Sine wave of 1KHz
Digital In: Signal identical to Interface
Photo RX1 Digital Audio

NOTES:

1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. P = $\frac{1}{1,000,000}$

Electrical Parts List

Resistor: Carbon resistors under 1/4 watts are not mentioned in the parts list, please confirm them by schematic diagram.
 uF = microfarads, pF = picofarads

Abbreviations					Symbol No.	Part No.	Description		
RES.=Resistor					Capacitors				
C.F.=Carbon Film					C51	08T57851F13	T.F.,	0.1 μ F	
E.L.Y.=Electrolytic					C52	23T00138L26	ELY.,	4.7 μ F/25V	
M.F.=Metal Film					C54	23T00138L20	ELY.,	47 μ F/16V	
M.O.=Metal Oxide Film					C55	08T57851F13	T.F.,	0.1 μ F	
M.P.=Metal Plate					C56	23T00138L26	ELY.,	4.7 μ F/25V	
TR.=Transistor					C58	23T00138L20	ELY.,	47 μ F/16V	
TRANS.=Transformer									
CP.=Chip									
CAP.=Capacitor									
CER.=Ceramic									
MYL.=Mylar									
TAN.=Tantalum									
POLY.=Polystyrol									
PP.=Polypropylene									
PLT.=Polyethylene									
Symbol No.	Part No.	Description			Audio P. C. Board				
Power P. C. Board					IC's				
IC's/Diode/Coil					IC101	51T80994F01	M5230L		
IC1	51T70760F01	IC, PS2401-1			IC102	51T80994F01	M5230L		
IC2	51T64227F01	IC, NJM2903D			IC103	51T80338F01	NJM7805		
D1	48S40477U01	Diode, IN4003			IC104	51T71182F01	L780S12		
L1	24T82315F01	Coil, FLT, LINE			IC105	51T84040F01	M5231		
		FKOB160MH02			IC106	51T84040F01	M5231		
					IC107	51T84042F01	L780S06		
Capacitors					IC108	51T84040F01	M5231		
C1	08T57437F11	CER.,	0.01 μ F		IC201	51T80136F01	M5238P		
C2	08T57437F11	CER.,	0.01 μ F		IC202	51T80136F01	M5238P		
C3	23T00138L17	ELY.,	10 μ F/16V		IC203	51T57775F01	TL072		
C4	08S44505P61	CER.,	0.01 μ F		IC204	51T57775F01	TL072		
					IC205	51T80136F01	M5238P		
					IC206	51T80136F01	M5238P		
					IC207	51T83525F01	CX20018		
Motor Drive P. C. Board					IC208	51T84681F05	HD74HC126P		
IC's					or	51T84020F01	TC74HC128		
IC51	51T84033F01	M54644			IC209	51T80136F02	M5238L		
IC52	51T84033F01	M54644			IC210	51T80136F02	M5238L		
					IC401	51T80136F01	M5238P		
Diodes					IC402	51T80136F01	M5238P		
ZD51	48T52739F45	Zener, HZ 7A-3			IC403	51T80332F01	NJM5534DD		
or	48T56372F33	Zener, RD8.8E-B3			IC404	51T80332F01	NJM5534DD		
ZD52	48T52739F36	Zener, HZ 8A-3			IC405	51T80318F01	PCM56JP		
or	48T56372F26	Zener, RD5.6E-B2			IC406	51T80318F01	PCM56JP		
					IC407	51T90531F01	SM5804DT		
					IC409	51T80958F01	SN74LS624		
					IC410	51T80958F01	HD74LS112		
					IC411	51T80957F01	HD74LS393		
					IC412	51T80959F01	MC4044		

Symbol No.	Part No.	Description				Symbol No.	Part No.	Description			
Transistors						D109	4BS40477U01	IN4003			
Q101	4BT64240F01	2SC2344				D199	4BS40477U01	IN4003			
Q102	4BT47145F02	2SA1011				D201	4BS40477U01	IN4003			
Q103	4BT81101F01	2SC1815				D202	4BS40477U01	IN4003			
Q104	4BT81102F01	2SA1015				D203	4BT51582F01	MA-150			
Q105	4BT52152F01	FET, 2SK30A				or	4BT51881F01	DS442			
						or	4BT68764F03	1S2473			
Q106	4BT52152F01	FET, 2SK30A				D204	4BT51582F01	MA-150			
Q107	4BT81102F01	2SA1015				or	4BT51881F01	DS442			
Q108	4BT81101F01	2SC1815				or	4BT68764F03	1S2473			
Q109	4BT81101F01	2SC1815				D401	4BS40477U01	IN4003			
Q110	4BT81102F01	2SA1015				D402	4BS40477U01	IN4003			
Q111	4BT81101F01	2SC1815				D403	4BT51582F01	MA-150			
Q112	4BT81102F01	2SA1015				or	4BT51881F01	DS442			
Q113	4BT42941U01	2SA921				or	4BT68764F03	1S2473			
Q114	4BT81101F01	2SC1815				ZD101	4BT52741F03	Zener, HZ6A-3L			
Q115	4BT81102F01	2SA1015				ZD102	4BT52741F03	Zener, HZ6A-3L			
Q116	4BT81101F01	2SC1815				ZD103	4BT52741F03	Zener, HZ6A-3L			
Q117	4BT81101F01	2SC1815				ZD104	4BT52741F03	Zener, HZ6A-3L			
Q118	4BT81101F01	2SC1815				ZD105	4BT52739F05	Zener, HZ27-2			
Q119	4BT64240F01	2SC2344				or	4BT56372F00	Zener, RD27E-B4			
Q120	4BT47145F02	2SA1011				● ZD201	4BT52741F05	Zener, HZ6B-2L			
Q122	4BT56030F01	2SB941				★ ZD201	4BT52741F08	Zener, HZ6B-3L			
Q123	4BT81101F01	2SC1815				▲ ZD201	4BT52741F08	Zener, HZ6B-3L			
Q124	4BT47145F02	2SA1011				■ ZD201	4BT52741F06	Zener, HZ6B-3L			
Q125	4BT81101F01	2SC1815				● ZD202	4BT52741F05	Zener, HZ6B-2L			
Q127	4BT81101F01	2SC1815				★ ZD202	4BT52741F08	Zener, HZ6B-3L			
Q128	4BT81101F01	2SC1815				▲ ZD202	4BT52741F06	Zener, HZ6B-3L			
Q129	4BT81101F01	2SC1815				■ ZD202	4BT52741F08	Zener, HZ6B-3L			
Q130	4BT81101F01	2SC1815				ZD203	4BT52741F05	Zener, HZ6B-2L			
Q133	4BT81101F01	2SC1815				BD101	4BT81862F01	Bridge, RBV-402			
Q199	4BT43015U01	2SC2120				BD102	4BT81862F01	Bridge, RBV-402			
Q201	4BT43015U01	2SC2120				BD103	4BT81862F01	Bridge, RBV-402			
Q202	4BT43015U01	2SC2120				BD104	4BT81862F01	Bridge, RBV-402			
Q203	4BT67481F01	FET, 2SK152									
Q204	4BT67481F01	FET, 2SK152									
Q301	4BT82763F03	DTG124EL									
Q302	4BT82763F03	DTG124EL									
Q401	4BT43015U01	2SC2120									
Q402	4BT43015U01	2SC2120									
Q403	4BT81101F01	2SC1815									
Diodes						Thermistors/Coil					
D101	4BS40477U01	IN4003				★ TH401	4BT94416F01	Thermistor, ERT-D2FGL 2k ohm			
D102	4BS40477U01	IN4003				▲ TH401	4BT94416F01	Thermistor, ERT-D2FGL 2k ohm			
D103	4BS40477U01	IN4003				■ TH401	4BT94416F01	Thermistor, ERT-D2FGL 2k ohm			
D107	4BS40477U01	IN4003				L201	24T50508F03	Coil, Inductor, 0.27 μ H			
D108	4BS40477U01	IN4003									

Notes: ● : For Japanese model only (JA), ■ : For European model only (AD), ▲ : For Canadian model only (UQ), ★ : For North American model only (UZ), Others : Common.

Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
Relays					C113	23T00132L15	ELY., 330 μ F/25V		
RL199	80T83717F02	DS2Y-S-DC12V			C114	23T00132L15	ELY., 330 μ F/25V		
RL201	80T83717F02	DS2Y-S-DC12V			C115	23T90772F98	ELY., 2.2 μ F/100V		
RL202	80T83717F02	DS2Y-S-DC12V			C116	23T90772F98	ELY., 2.2 μ F/100V		
RL203	80T92695F01	AG2013			C117	23T00132L02	ELY., 220 μ F/16V		
or	80T83716F01	G6E-134P-12V			C118	23T00132L02	ELY., 220 μ F/16V		
RL204	80T92695F01	AG2013			C119	23T90772F98	ELY., 2.2 μ F/100V		
or	80T83716F01	G6E-134P-12V			C120	23T73856F18	ELY., 1 μ F/50V		
RL401	80T92695F01	AG2013			C121	23T83993F01	ELY., 10000 μ F/25V		
or	80T83716F01	G6E-134P-12V			C122	23T83993F01	ELY., 10000 μ F/25V		
RL402	80T92695F01	AG2013			C123	23T00132L15	ELY., 330 μ F/25V		
or	80T83716F01	G6E-134P-12V			C124	23T00132L15	ELY., 330 μ F/25V		
RL403	80T92695F01	AG2013			C125	23T00154L32	ELY., 4.7 μ F/50V		
or	80T83716F01	G6E-134P-12V			C126	23T00154L32	ELY., 4.7 μ F/50V		
RL404	80T92695F01	AG2013			C127	23T00162L35	ELY., 1000 μ F/16V		
or	80T83716F01	G6E-134P-12V			C128	23T00162L35	ELY., 1000 μ F/16V		
Switch/Crystal/Jacks/Filters					C130	23T00138L17	ELY., 10 μ F/16V		
S301	40T84005F01	Switch, Slide, SSSU1 (DAT-1, -2)			C131	23T00134L60	ELY., 2200 μ F/35V		
X201	48T93832F01	Crystal, 98.304MHz (NDK)			C132	23T00138L27	ELY., 10 μ F/25V		
J301	09T80322F01	Jack, Remote HSJ0864 (SERIAL REMOTE OUT)			C133	23T00138L53	ELY., 100 μ F/50V		
J302	09T80322F01	Jack, Remote HSJ0864 (SERIAL REMOTE IN)			C134	23T00138L53	ELY., 100 μ F/50V		
Z201	91T82940F01	Filter, LPF, LP22C9B3			C135	23T00138L53	ELY., 100 μ F/50V		
Z202	91T82940F01	Filter, LPF, LP22C9B3			C136	23T00138L39	ELY., 47 μ F/35V		
Z401	91T82941F01	Filter, LPF, LP22C7B3			C137	23T83993F01	ELY., 10000 μ F/25V		
Z402	91T82941F01	Filter, LPF, LP22C7B3			C138	23T00138L45	ELY., 1 μ F/50V		
Capacitors					C140	23T73856F32	ELY., 10 μ F/100V		
C101	23T83992F01	ELY., 10000 μ F/50V			C141	23T73856F18	ELY., 1 μ F/50V		
C102	23T83992F01	ELY., 10000 μ F/50V			C143	23T90773F05	ELY., 47 μ F/100V		
C103	23T00132L30	ELY., 330 μ F/50V			C144	23T00138L17	ELY., 10 μ F/16V		
C104	23T00132L30	ELY., 330 μ F/50V			C149	08S44505P61	CER., 0.01 μ F		
C105	08T57851F13	T.F., 0.1 μ F			C151	08S40805F01	CER., 100pF		
C106	08T57851F13	T.F., 0.1 μ F			C152	08S40805F01	CER., 100pF		
C109	23T00132L52	ELY., 22 μ F/100V			C153	23T00138L45	ELY., 1 μ F/50V		
C110	23T00132L52	ELY., 22 μ F/100V			C155	08S40805F01	CER., 100pF		
C111	23T83993F01	ELY., 10000 μ F/25V			C156	23T93199F01	ELY., 22000 μ F/10V		
C112	23T83993F01	ELY., 10000 μ F/25V			C159	23T00138L45	ELY., 1 μ F/50V		
					C201	23T90772F44	ELY., 47 μ F/25V		
					C202	23T90772F44	ELY., 47 μ F/25V		
					★ C203	23T90770F44	ELY., 47 μ F/25V		
					▲ C203	23T90770F44	ELY., 47 μ F/25V		
					■ C203	23T90770F44	ELY., 47 μ F/25V		
					● C203	23T90772F44	ELY., 47 μ F/25V		
					C204	23T90772F44	ELY., 47 μ F/25V		
					C207	08T71458F19	PP., 3300pF		
					C208	08T71458F19	PP., 3300pF		
					C213	23T73858F10	ELY., (B.P.) 10 μ F/25V		
					C214	23T73858F10	ELY., (B.P.) 10 μ F/25V		
					C215	23T90772F44	ELY., 47 μ F/25V		
					C216	23T90772F44	ELY., 47 μ F/25V		
					C217	23T90772F44	ELY., 47 μ F/25V		

Notes: ●: For Japanese model only (JA), ■: For European model only (AD), ▲: For Canadian model only (UQ), ★: For North American model only (UZ), Others: Common.

Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
C218	23T90772F44	ELY., 47 μ F/25V			C403	23T71210F18	ELY., 47 μ F/25V		
C219	23T90773F02	ELY., 10 μ F/100V			C404	23T71210F18	ELY., 47 μ F/25V		
C220	23T90773F02	ELY., 10 μ F/100V			C405	23T90773F02	ELY., 10 μ F/100V		
C221	23T90773F02	ELY., 10 μ F/100V			C406	23T90773F02	ELY., 10 μ F/100V		
C222	23T90773F02	ELY., 10 μ F/100V			C407	23T90773F02	ELY., 10 μ F/100V		
C223	23T90772F44	ELY., 47 μ F/25V			C408	23T90773F02	ELY., 10 μ F/100V		
C224	23T90772F44	ELY., 47 μ F/25V			C409	23T90772F75	ELY., 33 μ F/50V		
C225	08T93192F51	PF, 1200pF			C410	23T90772F75	ELY., 33 μ F/50V		
C226	08T93192F51	PF, 1200pF			C411	23T90772F75	ELY., 33 μ F/50V		
C227	23T90772F75	ELY., 33 μ F/50V			C412	23T90772F75	ELY., 33 μ F/50V		
C228	23T90772F75	ELY., 33 μ F/50V			C413	23T90772F44	ELY., 47 μ F/25V		
C229	23T90772F75	ELY., 33 μ F/50V			C414	23T90772F44	ELY., 47 μ F/25V		
C230	23T90772F75	ELY., 33 μ F/50V			C415	23T90772F44	ELY., 47 μ F/25V		
C231	08S44505P37	CER., 100pF			C416	23T90772F44	ELY., 47 μ F/25V		
C232	08S44505P37	CER., 100pF			C417	08T71458F20	PP., 3900pF		
C233	08S44505P37	CER., 100pF			C418	08T71458F20	PP., 3900pF		
C234	08S44505P37	CER., 100pF			C421	23T90772F44	ELY., 47 μ F/25V		
C235	23T90772F44	ELY., 47 μ F/25V			C422	23T90772F44	ELY., 47 μ F/25V		
C236	23T90772F44	ELY., 47 μ F/25V			C423	23T90772F75	ELY., 33 μ F/50V		
C237	08S44505P49	CER., 1000pF			C424	23T90772F75	ELY., 33 μ F/50V		
C238	23T74436F34	TAN., 22 μ F/16V			C425	08T52448F13	PP., 1000pF		
C239	23T90772F75	ELY., 33 μ F/50V			C426	08T52448F13	PP., 1000pF		
C240	08T40794F74	CER., 0.1 μ F			C427	23T90772F75	ELY., 33 μ F/50V		
C241	23T90772F44	ELY., 47 μ F/25V			C428	23T90772F75	ELY., 33 μ F/50V		
C242	23T90772F75	ELY., 33 μ F/50V			C429	23S40657F63	ELY., 1000 μ F/16V		
C243	08T40794F74	CER., 0.1 μ F			C430	23T68328F20	ELE., 1000 μ F/16V		
C244	23S40657F63	ELY., 1000 μ F/16V			C431	23S40657F63	ELY., 1000 μ F/16V		
C245	23S40657F63	ELY., 1000 μ F/16V			C432	23T68328F20	ELE., 1000 μ F/16V		
C246	23T00138L45	ELY., 1 μ F/50V			C433	23S40657F63	ELY., 1000 μ F/16V		
C247	08S44505P49	CER., 1000pF			C434	23T74436F41	TAN., 10 μ F/25V		
C248	08S44505P09	CER., 4.7pF			C435	08T81196F25	MIC., 47pF		
C249	08S44505P14	CER., 11pF			C436	08T81196F25	MIC., 47pF		
C250	08S44505P29	CER., 47pF			C437	08S44505P61	CER., 0.01 μ F		
C251	23T73858F10	ELY., (B.P.) 10 μ F/25V			C438	08T57851F21	T.F., 0.47 μ F		
C252	23T73858F10	ELY., (B.P.) 10 μ F/25V			C439	08T52448F21	PP., 2200pF		
C253	08T57851F01	PF, 0.01 μ F			C440	08T52448F39	PP., 0.012 μ F		
C254	08T57851F01	PF, 0.01 μ F			C441	23T74436F41	TAN., 10 μ F/25V		
C255	23T73858F10	ELY., (B.P.) 10 μ F/25V			C442	08S44505P61	CER., 0.01 μ F		
C256	23T73858F10	ELY., (B.P.) 10 μ F/25V			C443	08S44505P61	CER., 0.01 μ F		
C257	23T74436F41	TAN., 10 μ F/25V			C444	08T81196F40	MIC., 180pF		
C258	23T74436F41	TAN., 10 μ F/25V			C445	08S44505P61	CER., 0.01 μ F		
C259	23T74436F29	TAN., 3.3 μ F/16V			C446	23T74436F41	TAN., 10 μ F/25V		
C260	23T74436F29	TAN., 3.3 μ F/16V			★ C447	23T71210F12	ELY., (B.P.) 4.7 μ F/25V		
C261	08T57851F01	PF, 0.01 μ F			■ C447	23T71210F12	ELY., (B.P.) 4.7 μ F/25V		
C262	23T74436F41	TAN., 10 μ F/25V			▲ C447	23T71210F12	ELY., (B.P.) 4.7 μ F/25V		

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★: For North American model only (UZ). Others: Common.

Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
● C447	23T73858F08	ELY., (B.P.) 4.7 μ F/25V			VR207	18B44064J08	Variable, 2.2k ohm 1/2W		
C448	23T73858F08	ELY., (B.P.) 4.7 μ F/25V			VR208	18B44064J08	Variable, 2.2k ohm 1/2W		
C449	23T74438F41	TAN., 10 μ F/25V			VR401	18B44064J07	Variable, 100k ohm 1/2W		
C450	08S44505P61	CER., 0.01 μ F			VR402	18B44064J07	Variable, 100k ohm 1/2W		
Resistors (All resistors are Metal Film 1/4W \pm 5% unless otherwise noted.)					Analog In/Out P. C. Board				
R227	06T61718F20	9.1k ohm			Jacks/Capacitors				
R228	06T61718F20	9.1k ohm			J201	09T81475F01	Jack, Plate, T5881-AABC (LINE IN/OUT)		
R229	06T61718F15	10k ohm			J202	09T81475F01	Jack, Plate, T5881-AABC (CD IN/OUT)		
R230	06T61718F15	10k ohm			C295	08T40658F13	CAP., CER., 0.01 μ F		
R231	06T61718F15	10k ohm			C296	08T40658F13	CAP., CER., 0.01 μ F		
R232	06T61718F15	10k ohm			C297	08T40658F13	CAP., CER., 0.01 μ F		
R237	06T61718F15	10k ohm			C298	08T40658F13	CAP., CER., 0.01 μ F		
R238	06T61718F15	10k ohm			C299	08T40658F13	CAP., CER., 0.01 μ F		
R239	06T61718F12	680 ohm			CD Volume P. C. Board				
R240	06T61718F12	680 ohm			Resistors				
R241	06T61718F07	1.5k ohm			VR201	18T83997F01	RK12K1120 50k ohm -B (LEVEL CAL)		
R242	06T61718F07	1.5k ohm			VR202	18T83997F01	RK12K1120 50k ohm -B (LEVEL CAL)		
R243	06T61718F09	22k ohm			Line Volume P. C. Board				
R244	06T61718F09	22k ohm			Switch/Resistor				
R245	06T61718F10	1k ohm			S201	40T83999F01	Switch, Rotary, SRBU13		
R246	06T61718F10	1k ohm			VR203	18T83998F02	Volume, RK1612210 50k ohm-A		
R247	06T61718F11	470 ohm			FL Meter P. C. Board				
R248	06T61718F11	470 ohm			IC's/Transistors				
R249	06T61718F09	22k ohm			IC311	51T82819F02	IC, 82819F02		
R250	06T61718F09	22k ohm			IC312	51T72176F01	IC, M54518P		
R251	06T61718F13	3.3k ohm			IC313	51T72176F01	IC, M54518P		
R252	06T61718F13	3.3k ohm			Q312	48T82763F11	TR, DTC124TL		
R253	06T61718F15	10k ohm			Q313	48T82763F03	TR, DTC124EL		
R254	06T61718F15	10k ohm							
R255	06T61718F23	56k ohm							
R256	06T61718F14	8.2k ohm							
R259	06T61718F05	4.7k ohm							
● VR205	18B44064J03	Variable, 10k ohm 1/2W							
★ VR205	18B44064J15	Variable, 3.3k ohm 1/2W							
▲ VR205	18B44064J15	Variable, 3.3k ohm 1/2W							
■ VR205	18B44064J15	Variable, 3.3k ohm 1/2W							
● VR206	18B44064J03	Variable, 10k ohm 1/2W							
★ VR206	18B44064J15	Variable, 3.3k ohm 1/2W							
▲ VR206	18B44064J15	Variable, 3.3k ohm 1/2W							
■ VR206	18B44064J15	Variable, 3.3k ohm 1/2W							

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Symbol No.	Part No.	Description		
Diodes/LEDs				
D311	48T44813F01	MA165TA		
D312	48T44813F01	MA165TA		
D313	48T44813F01	MA165TA		
D314	48T44813F01	MA165TA		
D315	48T44813F01	MA165TA		
D316	48T44813F01	MA165TA		
D321	48T44813F01	MA165TA		
LD311	48T60947F04	LED, SLH-34MG3F (GRN)		
LD312	48T60947F07	LED, SLH-34DU3F (ORG)		
ZD311	48T68699F23	Zener, MTZ 7.5-C		
Switches				
S311	40T80315F01	Tact. SKHHQF (0)		
S312	40T80315F01	Tact. SKHHQF (1)		
S313	40T80315F01	Tact. SKHHQF (2)		
S314	40T80315F01	Tact. SKHHQF (3)		
S315	40T80315F01	Tact. SKHHQF (4)		
S316	40T80315F01	Tact. SKHHQF (5)		
S317	40T80315F01	Tact. SKHHQF (6)		
S318	40T80315F01	Tact. SKHHQF (7)		
S319	40T80315F01	Tact. SKHHQF (8)		
S320	40T80315F01	Tact. SKHHQF (9)		
S321	40T80315F01	Tact. SKHHQF (M-write)		
S322	40T80315F01	Tact. SKHHQF (M-call)		
S323	40T80315F01	Tact. SKHHQF (REW)		
S324	40T80315F01	Tact. SKHHQF (PAUSE)		
S325	40T80315F01	Tact. SKHHQF (PLAY)		
S326	40T80315F01	Tact. SKHHQF (FF)		
S327	40T80315F01	Tact. SKHHQF (SK-DOWN)		
S328	40T80315F01	Tact. SKHHQF (STOP)		
S329	40T80315F01	Tact. SKHHQF (SK-UP)		
S330	40T80315F01	Tact. SKHHQF (REC)		
Lamps/Crystal				
PL311	65T84003F03	Lamp, Pilot, (6V-65mA) (ORG)		
PL312	65T84003F03	Lamp, Pilot, (6V-65mA) (ORG)		
PL313	65T84003F03	Lamp, Pilot, (6V-65mA) (ORG)		
PL314	65T84003F02	Lamp, Pilot, (6V-65mA) (RED)		
X311	48T84043F01	Crystal, HC-49/U-S 4.0MHz		
Capacitors				
C311	23T74436F32	TAN., 10 μ F/16V		
C312	08S65480F61	CER., 0.01 μ F		
C313	08S65480F25	CER., 33pF		
C314	08S65480F25	CER., 33pF		
C315	23T74436F28	TAN., 2.2 μ F/16V		
Resistors				
R311	06T84054F04	Block, 100k ohm		
R312	06T84054F02	Block, 100k ohm		
Eject Switch P. C. Board				
IC/Transistor/LED/Switch				
IC314	51T83524F01	IC, 8X1408		
Q311	48T62769F03	TR., DTC124EL		
LD313	48T60947F05	LED, SLH-34VR3F (RED)		
S342	40T84034F01	Switch, Tact. SKHHPR (OPEN/CLOSE)		

Symbol No.	Part No.	Description		
F.S. Lamp P. C. Board				
LED/Lamps				
LD314	48T80947F05	LED, SLH-34VR3F (RED)		
● PL315	65T84003F01	Lamp, Pilot, (8V-65mA) (WHT)		
● PL316	65T84003F01	Lamp, Pilot, (8V-65mA) (WHT)		
● PL317	65T84003F01	Lamp, Pilot, (6V-65mA) (WHT)		
Scan Switch P. C. Board				
Diodes				
D317	48T44813F01	MA165TA		
D318	48T44813F01	MA165TA		
D319	48T44813F01	MA165TA		
D320	48T44813F01	MA165TA		
Switches				
S337	40T84034F01	Tact. SKHHPR (TIME)		
S338	40T84034F01	Tact. SKHHPR (REPEAT)		
S339	40T84034F01	Tact. SKHHPR (SCAN)		
Timer Switch P. C. Board				
Switch				
S336	40T84100F01	Slide, SSSS9 (TIMER)		
Headphone P. C. Board				
IC/Jack				
J451	51T81898F01	IC, MS216P		
J451	09T74077F01	Jack, Phones		
Capacitors/Resistor				
C451	23T73858F10	ELY., (B.P.) 10 μ F/25V		
C452	23T73858F10	ELY., (B.P.) 10 μ F/25V		
C453	23T73856F11	ELY., 22 μ F/25V		
C454	23T73856F11	ELY., 22 μ F/25V		
● C455	23T73858F08	ELY., (B.P.) 4.7 μ F/25V		

Symbol No.	Part No.	Description		
● C456	23T73858F08	ELY., (B.P.) 4.7 μ F/25V		
C457	08T57851F13	T.F., 0.1 μ F		
C458	08T57851F13	T.F., 0.1 μ F		
VR451	18T83996F01	Volume, RK9A00 10k ohm-B		
Digital P. C. Board				
IC's				
IC501	51T84019F01	MB81416		
IC502	51T84019F01	MB81416		
IC503	51T84010F01	CXD1009		
IC504	51T84009F01	CXD1008		
IC505	51T91063F01	CXD1111Q		
IC506	51T66990F01	HD74LS74AP		
IC507	51T66990F01	HD74LS74AP		
IC508	51T80475F01	TC74HC04AP		
IC509	51T84681F11	HD74HC02P		
or	51T84058F01	TC74HC02P		
IC510	51T84681F12	HD74HC161P		
or	51T84057F01	TC74HC161P		
IC511	51T66962F01	HA17555PS		
IC512	51T80475F01	TC74HC04AP		
IC515	51T64227F01	NJM2903D		
● IC516	51T80136F01	M5238P		
★ IC516	51T94370F01	TLC272CP		
▲ IC516	51T94370F01	TLC272CP		
■ IC516	51T94370F01	TLC272CP		
● IC517	51T80136F01	M5238P		
★ IC517	51T94370F01	TLC272CP		
▲ IC517	51T94370F01	TLC272CP		
■ IC517	51T94370F01	TLC272CP		
IC518	51T67211F01	HD74HC00		
or	51T83506F01	TC74HC00P		
IC519	51T67211F01	HD74HC00		
or	51T83506F01	TC74HC00P		
IC520	51T83506F01	TC74HC00P		
or	51T67211F01	HD74HC00		
IC521	51T84024F01	TC74HC164		
or	51T84681F01	HD74HC164P		
IC523	51T84027F01	TC74HC51		
or	51T84681F03	HD74HC51P		
IC524	51T83506F01	TC74HC00P		
or	51T67211F01	HD74HC00		
IC525	51T84023F01	TC74HC86		
or	51T84681F02	HD74HC86P		
IC526	51T74191F01	M888306		
IC527	51T84681F07	HD74HC32P		
or	51T84025F01	TC74HC32		
IC528	51T74191F01	M888306		
IC529	51T67211F01	HD74HC00		
or	51T83506F01	TC74HC00P		

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Symbol No.	Part No.	Description		
IC530	51T83387F02	MB88P551H		
IC531	51T84007F02	HD837B05ZOF		
IC532	51T82624F01	MB3773		
IC533	51T84008F01	CXA1046		
IC534	51T62559F01	μ PC393C		
IC535	51T52385F01	μ PC358C		
IC536	51T84065F01	MB3763PS		
IC537	51T87480F01	μ PD40638C		
IC538	51T60226F01	TC4051BP		
IC539	51T60226F01	TC4051BP		
IC540	51T52385F01	μ PC358C		
IC541	51T52385F01	μ PC358C		
IC542	51T62559F01	μ PC393C		
IC543	51T60226F01	TC4051BP		
IC544	51T84031F01	LC7990		
IC545	51T44289U01	μ PC324C		
IC546	51T44289U01	μ PC324C		
IC547	51T84029F01	TC74HC153		
or	51T84681F04	HD74HC153P		
IC548	51T84030F01	TC74HC4066		
IC549	51T52385F01	μ PC358C		
IC551	51T84028F01	TC74HC123		
or	51T84681F09	HD74HC123AP		
IC552	51T84011F01	CXD1052		
IC553	51T44289U01	μ PC324C		
IC554	51T52385F01	μ PC358C		
IC555	51T84681F10	HD74HC74P		
or	51T83505F01	TC74HC74P		
IC556	51T84681F10	HD74HC74P		
or	51T83505F01	TC74HC74P		
IC557	51T84681F07	HD74HC32P		
or	51T84025F01	TC74HC32		
IC558	51T84681F10	HD74HC74P		
or	51T83505F01	TC74HC74P		
Transistors				
Q501	48T82763F03	DTC124EL		
Q502	48T82763F03	DTC124EL		
Q503	48T82763F03	DTC124EL		
Q504	48T82763F03	DTC124EL		
Q506	48T81101F01	2SC1815		
Q507	48T81102F01	2SA1015		
Q508	48T82763F04	DTC144EL		
Q509	48T82763F04	DTC144EL		
Q510	48T81101F01	2SC1815		
Q511	48T56030F03	2SB941		
Q512	48T81101F01	2SC1815		
Q513	48T56030F03	2SB941		
Q514	48T56030F03	2SB941		
Q515	48T82763F03	DTC124EL		
Q516	48T82763F03	DTC124EL		

Symbol No.	Part No.	Description		
0517	48T81551F01	2SA1357		
Q518	48T72175F01	2SC3422		
Q520	48T82763F03	DTC124EL		
Q521	48T82763F03	DTC124EL		
Q522	48T82763F03	DTC124EL		
Q523	48T82763F03	DTC124EL		
Q524	48T82763F03	DTC124EL		
Q525	48T81102F01	2SA1015		
Q526	48T81101F01	2SC1815		
Q527	48T81102F01	2SA1015		
Q530	48T82763F03	DTC124EL		
Q531	48T82763F03	DTC124EL		
Diodes				
D501	48T84052F01	11ES2TA1		
D502	48T84052F01	11ES2TA1		
D503	48T44813F01	MA165TA		
D505	48T44813F01	MA165TA		
D506	48T44813F01	MA165TA		
D510	48T44813F01	MA165TA		
D512	48T84052F01	11ES2TA1		
D513	48T44813F01	MA165TA		
D514	48T44813F01	MA165TA		
D515	48T44813F01	MA165TA		
D516	48T84052F01	11ES2TA1		
VD501	48T84049F01	FC53M		
ZD501	48T88699F01	Zener, MTZ 3.9-A		
ZD503	48T62636F03	Zener, HZ2CLL		
ZD505	48T62636F06	Zener, HZ3CLL		
ZD507	48T62636F07	Zener, HZ4ALL		
Coils				
L501	24T84006F02	Inductor, 3 μH		
L502	24T70381F21	Inductor, 10 μH		
L503	24T70381F21	Inductor, 10 μH		
L504	24T41686U21	Inductor, 10 μH		
L505	24S41448F65	Inductor, 220 μH		
L506	24T70381F21	Inductor, 10 μH		

Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
Crystals					C540	08T57851F03	PF.	0.015 μ F	
X501	48T64338F01	HC-43/18.816MHz			C541	08S65480F63	CER.	0.1 μ F	
X502	48T64339F01	HC-43/22.5792MHz			C542	08S65480F63	CER.	0.1 μ F	
X505	48T84063F01	C4SA-4.0MHz			C543	08S65480F63	CER.	0.1 μ F	
X506	48T84064F01	C4SB-8.0MHz			C544	08S65480F63	CER.	0.1 μ F	
X507	48T82936F01	HC-43/U4.0MHz			C545	08T57851F24	PF.	1000pF	
Capacitors					C546	23T90516F02	ELY.	100 μ F/8.3V	
C501	08S65480F62	CER.	0.022 μ F		C547	23T90516F02	ELY.	100 μ F/8.3V	
C502	08S65480F62	CER.	0.022 μ F		C548	23T90516F02	ELY.	100 μ F/8.3V	
C503	08S65480F21	CER.	22pF		C549	23T90516F02	ELY.	100 μ F/6.3V	
C504	08S65480F21	CER.	22pF		C550	23T74436F41	TAN.	10 μ F/25V	
C505	08S65480F62	CER.	0.022 μ F		C551	08S65480F62	CER.	0.022 μ F	
C506	23T74436F41	TAN.	10 μ F/25V		C552	23T74436F41	TAN.	10 μ F/25V	
C507	08S65480F21	CER.	22pF		C553	08S65480F62	CER.	0.022 μ F	
C508	08S65480F21	CER.	22pF		C554	23T74436F41	TAN.	10 μ F/25V	
C511	08S65480F62	CER.	0.022 μ F		C555	08S65480F62	CER.	0.022 μ F	
C512	23T74436F41	TAN.	10 μ F/25V		C556	23T74436F41	TAN.	10 μ F/25V	
C513	23T74436F41	TAN.	10 μ F/25V		C557	23T74436F41	TAN.	10 μ F/25V	
C514	23T74436F41	TAN.	10 μ F/25V		C558	23T74436F41	TAN.	10 μ F/25V	
C515	08S65480F63	CER.	0.1 μ F		C559	08S65480F62	CER.	0.022 μ F	
C516	08S65480F63	CER.	0.1 μ F		C560	23T74436F41	TAN.	10 μ F/25V	
C517	08S65480F39	CER.	150pF		C561	08S65480F62	CER.	0.022 μ F	
C518	23T90516F05	ELY.	1 μ F/50V		C562	23T74436F41	TAN.	10 μ F/25V	
C519	08S65480F43	CER.	330pF		C563	08S65480F62	CER.	0.022 μ F	
C520	08S65480F63	CER.	0.1 μ F		C564	23T74436F41	TAN.	10 μ F/25V	
C521	08S65480F63	CER.	0.1 μ F		C565	08S65480F62	CER.	0.022 μ F	
C522	08S65480F63	CER.	0.1 μ F		C566	23T74436F41	TAN.	10 μ F/25V	
C523	08T57851F17	T.F.	0.22 μ F		C567	08S65480F62	CER.	0.022 μ F	
C524	08S65480F63	CER.	0.1 μ F		C568	23T74436F41	TAN.	10 μ F/25V	
C525	08S65480F63	CER.	0.1 μ F		C569	08S65480F63	CER.	0.1 μ F	
C526	23T74436F41	TAN.	10 μ F/25V		C570	08S65480F62	CER.	0.022 μ F	
C527	08S65480F49	CER.	1000pF		C571	23T90516F02	ELY.	100 μ F/8.3V	
C528	08S65480F63	CER.	0.1 μ F		C572	08S65480F62	CER.	0.022 μ F	
C529	23T83923F28	ELY.	2200 μ F/16V		C573	23T90516F02	ELY.	100 μ F/8.3V	
C530	08S65480F63	CER.	0.1 μ F		C574	08S65480F49	CER.	1000pF	
C531	23T90538F26	ELY.	47 μ F/25V		C575	08S65480F62	CER.	0.022 μ F	
C532	23T90516F06	ELY.	4.7 μ F/25V		C576	23S41059P41	TAN.	100 μ F/10V	
C533	23S40657F62	ELY.	470 μ F/16V		C577	08S65480F49	CER.	1000pF	
C534	08S65480F63	CER.	0.1 μ F		C578	08S65480F61	CER.	0.01 μ F	
C535	08S65480F49	CER.	1000pF		C579	08S65480F61	CER.	0.01 μ F	
C536	08S65480F37	CER.	100pF		C580	08S65480F49	CER.	1000pF	
C537	08S65480F63	CER.	0.1 μ F		C581	08T57851F32	PF.	4700pF	
C538	08S65480F63	CER.	0.1 μ F		C582	08T57851F05	PF.	0.022 μ F	
C539	08S65480F63	CER.	0.1 μ F		C583	08T57851F05	PF.	0.022 μ F	
					C584	08T57851F01	PF.	0.01 μ F	
					C585	08T57851F01	PF.	0.01 μ F	
					C586	23T74436F31	TAN.	6.8 μ F/16V	
					C587	08S65480F53	CER.	2200pF	
					C588	23T74436F41	TAN.	10 μ F/25V	
					C589	23T74436F41	TAN.	10 μ F/25V	

Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
C590	23T90516F03	ELY., 47 μ F/16V			C641	08S65480F62	CER., 0.022 μ F		
C591	08S65480F62	CER., 0.022 μ F			C642	08T57851F08	T.F., 0.039 μ F		
C592	08S65480F62	CER., 0.022 μ F			C643	23T90516F02	ELY., 100 μ F/8.3V		
C593	23T74436F41	TAN., 10 μ F/25V			C644	08S65480F62	CER., 0.022 μ F		
C594	23T74436F41	TAN., 10 μ F/25V			C645	08T57851F08	T.F., 0.039 μ F		
C595	23T90516F03	ELY., 47 μ F/16V			C646	08T57851F17	T.F., 0.22 μ F		
C596	23T74436F41	TAN., 10 μ F/25V			C647	08T57851F20	T.F., 0.39 μ F		
C597	23T90516F03	ELY., 47 μ F/16V			C648	08T57851F05	PF., 0.022 μ F		
C598	23T74436F41	TAN., 10 μ F/25V			C649	23T74436F41	TAN., 10 μ F/25V		
C599	08S65480F62	CER., 0.022 μ F			C650	08S65480F61	CER., 0.01 μ F		
C600	08S65480F62	CER., 0.022 μ F			C651	08S65480F62	CER., 0.022 μ F		
C601	23T90516F01	ELY., 22 μ F/16V			C652	08S65480F61	CER., 0.01 μ F		
C602	08S65480F62	CER., 0.022 μ F			C653	23T74436F41	TAN., 10 μ F/25V		
C603	08S65480F61	CER., 0.01 μ F			C654	23T74436F41	TAN., 10 μ F/25V		
C604	08S65480F62	CER., 0.022 μ F			C655	23T74436F41	TAN., 10 μ F/25V		
C605	23T90516F01	ELY., 22 μ F/16V			C656	23T74436F41	TAN., 10 μ F/25V		
C606	08S65480F61	CER., 0.01 μ F			C657	23T74436F41	TAN., 10 μ F/25V		
C607	08S65480F62	CER., 0.022 μ F			C658	23T74436F41	TAN., 10 μ F/25V		
C608	23T90516F01	ELY., 22 μ F/16V			C659	23T74436F41	TAN., 10 μ F/25V		
C609	23T74436F41	TAN., 10 μ F/25V			C660	23T74436F41	TAN., 10 μ F/25V		
C610	08S65480F62	CER., 0.022 μ F			C661	23T74436F41	TAN., 10 μ F/25V		
C611	23T90516F02	ELY., 100 μ F/8.3V			C662	23T74436F41	TAN., 10 μ F/25V		
C612	23T90516F01	ELY., 22 μ F/16V			C663	23T74436F41	TAN., 10 μ F/25V		
C613	08S65480F62	CER., 0.022 μ F			C664	23T74436F41	TAN., 10 μ F/25V		
C614	08T57851F09	T.F., 0.047 μ F			C665	23T90516F01	ELY., 22 μ F/16V		
C615	08T57851F09	T.F., 0.047 μ F			C667	08T57851F19	T.F., 0.33 μ F		
C616	23T90516F05	ELY., 1 μ F/50V			C668	08S65480F43	CER., 330 μ F		
C617	08T57851F09	T.F., 0.047 μ F			C671	08S65480F62	CER., 0.022 μ F		
C618	08T57851F09	T.F., 0.047 μ F			C672	08S65480F63	CER., 0.1 μ F		
C619	23T90516F05	ELY., 1 μ F/50V			C673	08S65480F63	CER., 0.1 μ F		
C620	08S65480F21	CER., 22 μ F			C675	08S65480F62	CER., 0.022 μ F		
C621	08S65480F62	CER., 0.022 μ F			C676	23T74436F41	TAN., 10 μ F/25V		
C622	08S65480F21	CER., 22 μ F			C677	08S65480F63	CER., 0.1 μ F		
C623	23T90516F01	ELY., 22 μ F/16V			C679	08S65480F62	CER., 0.022 μ F		
C624	08T57851F05	PF., 0.022 μ F			Resistors (All resistors are Metal Film 2W \pm 5% unless otherwise noted.)				
C625	08S65480F62	CER., 0.022 μ F			R605	08T92664F01	0.47 ohm		
C626	08T57851F21	T.F., 0.47 μ F			R606	08T92664F01	0.47 ohm		
C627	08T57851F13	T.F., 0.1 μ F			R607	08T55179F28	30 ohm		
C629	08T57851F15	T.F., 0.15 μ F			or	08T00007L28	30 ohm		
C630	08T57851F05	PF., 0.022 μ F			R608	08T55179F28	30 ohm		
C631	08S65480F61	CER., 0.01 μ F			or	08T00007L28	30 ohm		
C632	23T74436F41	TAN., 10 μ F/25V			VR504	18T45040F17	Variable, 47k ohm 0.3W		
C633	08S65480F62	CER., 0.022 μ F			VR506	18T45040F13	Variable, 10k ohm 0.3W		
C634	08S65480F62	CER., 0.022 μ F			VR507	18T45040F13	Variable, 10k ohm 0.3W		
C635	08S65480F62	CER., 0.022 μ F			VR508	18T45040F09	Variable, 2.2k ohm 0.3W		
C636	08S65480F62	CER., 0.022 μ F			VR509	18T45040F09	Variable, 2.2k ohm 0.3W		
C637	23T90516F05	ELY., 1 μ F/50V							
C638	23T92665F01	ELY., (B.P.) 3.3 μ F/50V							
C639	23T74436F41	TAN., 10 μ F/25V							
C640	23T74436F41	TAN., 10 μ F/25V							

Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
VR510	18T45040F15	Variable, 22k ohm 0.3W			C808	08S65480F61	CER., 0.01 μ F		
VR511	18T45040F17	Variable, 47k ohm 0.3W			C809	08S65480F61	CER., 0.01 μ F		
VR512	18T45040F13	Variable, 10k ohm 0.3W			C810	23T74436F32	TAN., 10 μ F/16V		
VR513	18T45040F13	Variable, 10k ohm 0.3W			C811	08S65480F61	CER., 0.01 μ F		
VR514	18T45040F15	Variable, 22k ohm 0.3W			C812	23T74436F32	TAN., 10 μ F/16V		
VR515	18T45040F18	Variable, 68k ohm 0.3W			C813	23T74436F34	TAN., 22 μ F/16V		
Digital In/Out P. C. Board					C814	23T74436F34	TAN., 22 μ F/16V		
IC's					C815	08S65480F61	CER., 0.01 μ F		
IC801	51T91087F01	HD74LS04			C816	23T74436F32	TAN., 10 μ F/16V		
IC802	51T80475F01	TC74HC04P			C817	23T74436F32	TAN., 10 μ F/16V		
IC803	51T91087F01	TC74HC08			▲ C818	23S41059P26	TAN., 10 μ F/16V		
or	51T84681F13	HD74HC08			★ C818	23S41059P26	TAN., 10 μ F/16V		
IC804	51T67211F01	HD74HC00			■ C818	23S41059P26	TAN., 10 μ F/16V		
or	51T83506F01	TC74HC00P			● C818	23T74436F32	TAN., 10 μ F/16V		
					C819	08S65480F63	CER., 0.1 μ F		
					C820	08S65480F63	CER., 0.1 μ F		
Coils/Switches/Jacks					Miscellaneous				
L801	24S41448F35	Coil, Inductor, 10 μ H			● F1	65T82673F02	Fuse, FGT40 125V-2A		
L802	24S41448F35	Coil, Inductor, 10 μ H			★ F1	65T66926F16	Fuse, 51NM 2A-125V		
L803	24S41448F43	Coil, Inductor, 47 μ H			▲ F1	65T66926F16	Fuse, 51NM 2A-125V		
T801	25T92419F01	Coil, Trans (PT-10)			■ F1	65T42077U19	Fuse, Semko 2A		
S801	40T91092F01	Switch, SSSP 6-2 (N.S) (DIG)			■ F101	65T42077U12	Fuse, Semko 400mA		
S802	40T91092F01	Switch, SSSP 6-2 (N.S) (IN/OUT)			■ F102	65T42077U12	Fuse, Semko 400mA		
J801	09T83990F01	Jack, Phone (1P B0057) (DIG.IN)			■ F103	65T42077U21	Fuse, Semko 3.15A		
J802	09T83990F01	Jack, Phone (1P B0057) (DIG.OUT)			■ F104	65T42077U11	Fuse, Semko 315mA		
Capacitors					■ F105	65T42077U11	Fuse, Semko 315mA		
C801	23T90536F19	ELY., 33 μ F/16V			■ F106	65T42077U13	Fuse, Semko 500mA		
C802	08T57851F32	PF, 4700pF			■ F107	65T42077U13	Fuse, Semko 500mA		
C803	08S65480F61	CER., 0.01 μ F			■ F108	65T42077U16	Fuse, Semko 1A		
▲ C804	23S41059P26	TAN., 10 μ F/16V			■ F109	65T42077U12	Fuse, Semko 400mA		
★ C804	23S41059P26	TAN., 10 μ F/16V			FL311	65T83591F01	FL Display		
■ C804	23S41059P26	TAN., 10 μ F/16V			IC811	51T84772F01	IC, T0TX172		
● C805	23T74436F32	TAN., 10 μ F/16V			IC812	51T84772F01	IC, T0RX172		
▲ C805	23T74436F34	TAN., 22 μ F/16V			J3	09T83991F01	Timer Power Supply Input Jack		
C806	23T74436F34	TAN., 22 μ F/16V			★ P1	28T66838F01	Plug, AC Cord		
C807	23T90536F19	ELY., 33 μ F/16V			▲ P1	28T66838F01	Plug, AC Cord		
					● P1	28T81592F01	Plug, AC Cord		
					■ P1	28T43812P01	Plug, AC Cord		
					★ PL315	65T84003F01	Lamp, Pilot 6V-65mA		
					▲ PL315	65T84003F01	Lamp, Pilot 6V-65mA		
					■ PL315	65T84003F01	Lamp, Pilot 6V-65mA		
					★ PL316	65T84003F01	Lamp, Pilot 6V-65mA		

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Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
▲ PL316	65T84003F01	Lamp, Pilot 6V-65mA							
■ PL316	65T84003F01	Lamp, Pilot 6V-65mA							
★ PL317	65T84003F01	Lamp, Pilot 6V-65mA							
▲ PL317	65T84003F01	Lamp, Pilot 8V-65mA							
■ PL317	65T84003F01	Lamp, Pilot 5V-65mA							
Q121	48T56031F01	TR., 2SD1268							
Q126	48T56029F01	TR., 2SD1276							
Q131	48T56029F01	TR., 2SD1276							
Q132	48T56029F01	TR., 2SD1276							
■ S1	40T80259F02	Switch, Voltage Selector							
S335	40T84038F01	Switch, Spul							
S340	40T84036F01	Switch, Rotary							
S341	40T84036F01	Switch, Rotary							
● T101	25T83989F01	Power, Trans							
★ T101	25T83989F02	Power, Trans							
▲ T101	25T83989F02	Power, Trans							
■ T101	25T83989F03	Power, Trans							

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Cabinet Assembly Parts List

NOTE: The parts without part numbers are not supplied.

Symbol No.	Index	Part No.	Description	Symbol No.	Index	Part No.	Description
●	1	64D83529F01	Panel, Front	36		03C42723U02	Screw, Cup (M3 × 8)
★	1	64D83529F02	Panel, Front	●	37	03S40012G98	Screw, Tapping (M3 × 8)
▲	1	64D83529F02	Panel, Front	★	37	03S71031F09	Screw, Countersink (M3 × 8)
■	1	64D83529F02	Panel, Front	▲	37	03S71031F09	Screw, Countersink (M3 × 8)
	2	01C83988F01	Assy., Frame Tray	■	37	03S71031F09	Screw, Countersink (M3 × 8)
	3	01B83987F01	Assy., Frame Function	●	39	47C64899F57	Shaft
	4	01B83988F01	Assy., Frame Ind	★	39	47C64899F61	Shaft, L=21.5
	5	36A83533F01	Knob, Push Eject	▲	39	47C64899F61	Shaft, L=21.5
	6	61A83541F01	Crystal, Timer	■	39	47C64899F61	Shaft, L=21.5
	7	64A83544F01	Panel, Ten Key		44	03B40942T02	Screw, Hex. Socket (M3 × 8)
	8	36A80166F01	Knob, Timer Switch	■	45	43B41625J02	Stopper, Cord
	9	36A83531F01	Knob, Slide Switch	▲	45	43B41625J05	Stopper, Cord
	11	36A83555F01	Knob, Rotary Volume	★	45	43B41625J05	Stopper, Cord
	12	36A83557F01	Knob, Rotary Switch		46	05B41635J06	Rivet, Push
	13	36A83558F01	Knob, Rotary Volume "A"		47	47C64899F52	Shaft, P.C.B.
	14	36A83559F01	Knob, Rotary Volume "B"		48	03A82468F01	Screw, Tapping (M3 × 10)
●	15	15C83563F01	Cover, Rear		50	07A84472F01	Frame, Opt Jack
■	15	15C83563F02	Cover, Rear	●	52	03S43997P83	Screw, Bind (M2.6 × 4)
★	15	15C83563F03	Cover, Rear	★	52	03S82671F02	Screw, Bind (M2.6 × 4)
▲	15	15C83563F04	Cover, Rear	▲	52	03S82671F02	Screw, Bind (M2.6 × 4)
	17	64B83532F01	Panel, Tray	■	52	03S82671F02	Screw, Bind (M2.6 × 4)
	18	36B70885F07	Knob, Power		53	75S72374F82	Cushion, Rubber
	19	36A55234F03	Knob, Control		54	14S81481F68	Insulator, Cover
	20	36A83536F01	Knob, Blank Noise		60	03C40121T07	Screw, W./Double Washer (M3 × 6)
	21	15C83562F01	Cover, Top		68	29A41814G01	Lug
	22	03S81717F01	Screw, Round (M3 × 6)		72	03S71031F02	Screw, Bind (M2.6 × 8)
	24	03S44205G62	Screw, Bind (M2.6 × 5)		73	03S40012G18	Screw, Tapping (M2.6 × 6)
	25	01A80230F01	Assy., Trannleg		74	75S62361F42	Cushion, Rubber
●	26	75A67064F01	Felt		75	29C41045P02	Lug, Wrap Around
▲	26	75A67064F01	Felt		76	14S81481F46	Insulator, Cover
■	26	75A67064F01	Felt		77	14S81481F69	Insulator, Cover
★	26	75A94848F01	Pad, Felt		78	14A93194F01	Insulator, Shield
	27	03S40036U07	Screw, Pan (M4 × 12)		79	14S81482F68	Insulator, Cover
	28	03S40011G73	Screw, Countersink (M2 × 3)		80	75S92415F26	Cushion, Rubber
	29	43A83726F01	Spacer, Switch				
	30	75S72374F05	Cushion, Rubber				
	31	75S62361F15	Cushion, Rubber				
	32	03S40036U01	Screw, W./Washer (M4 × 8)				
	33	03C40121T02	Screw, W./Double Washer (M3 × 6)				
	35	05B41635J02	Rivet, Push				

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★: For North American model only (U2), Others: Common.

NOTE: The parts without part numbers are not supplied.

Symbol No.	Index	Part No.	Description			Symbol No.	Index	Part No.	Description		
	82	43A53357F01	Spacer, LED A								
	83	43A53357F03	Spacer, LED								
	84	07A80180F01	Frame, FL								
▲	93	09T51410F01	Holder, Fuse								
★	93	09T51410F01	Holder, Fuse								
■	93	09T51410F01	Holder, Fuse								
●	93	09T51980F01	Holder, Fuse								
	95	03S44205G67	Screw, Blind (M3 x 6)								
	97	01T63926F44	Assy., Connector								
★	98	05B41635J05	Rivet, Push								
▲	98	05B41635J05	Rivet, Push								
■	98	05B41635J05	Rivet, Push								
■	101	47C64899F43	Shaft, 30-M3								
■	103	09T45548F01	Holder, Fuse								
■	104	47C64899F62	Shaft, P.C.B. L=5 (1)								
■	105	43A43610F01	Bush, Switch								
★	106	43A94195F01	Holder, Lamp								
▲	106	43A94195F01	Holder, Lamp								
■	106	43A94195F01	Holder, Lamp								

Notes: ●: For Japanese model only (JA), ■: For European model only (AD), ▲: For Canadian model only (UQ),
★: For North American model only (UZ), Others: Common:

Packing Assembly Parts List

Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
▲	101-1	68P81707F79 Owners Manual							
■	101-1	68P81707F79 Owners Manual							
●	101-1	68P83132F13 Owners Manual							
●	101-2	01T84041F01 Unit, Remocon							
★	101-2	01T84041F02 Unit, Remocon							
▲	101-2	01T84041F02 Unit, Remocon							
■	101-2	01T84041F02 Unit, Remocon							
	101-3	28T58909F01 Plug, Audio Cable							
	101-4	01T82091F01 Assy., Mini Plug Cord							
	101-5	60T58064F01 Battery, Sum-3 "Fuji"							
	101-6	28T71168F01 Cord, Video							
●	101-7	01T84012F01 Cord, AC							
★	101-7	30T60804F01 Cord, Set Semko							
▲	101-7	30T60804F01 Cord, Set Semko							
■	101-7	30T60805F01 Cord, Set Semko							
●	102	56S71001F93 Carton, Packing							
★	102	56S83833F21 Carton, Packing							
▲	102	56S83833F21 Carton, Packing							
■	102	56S83833F21 Carton, Packing							
	103	56B40442T03 Front Frame Packing							
	104	56D83582F01 Tray, Packing							
	105	56B40230G08 Sack, Polyethylene							
	106	56B93801F01 Pad, Packing							
★	107	56S83833F22 Carton, Bulk Packing							

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★: For North American model only (UZ), Others: Common.